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CIA/PIR-14/64
May 1964

[REDACTED]
CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE REPORT

SOVIET-TYPE SAM INSTALLATIONS,
WACS 194, 196, 198 THROUGH 205,
AND 231 THROUGH 234



Declass Review by
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CIA/PIR-14/64

PREFACE

This is the sixth in a series of reports, prepared in response to CIA requirement C-RR3-80,733, presenting locational and other pertinent information on all Soviet-type surface-to-air missile (SAM) installations. 1-5/ Installations included are SAM launch sites (SA-1, SA-2, SA-3, and SA-0), antimissile-missile activities, SAM support facilities, SAM R & D and training facilities, and unidentified installa-

tions, possibly SAM-related. The information will be presented by World Aeronautical Chart (WAC), and within each WAC by SAM defense area, as determined from photography and collateral sources. When the defense function of an installation has not been determined, this will be so indicated. Where no installations have been identified in a WAC area, that WAC will be omitted.

INTRODUCTION

This report presents information on all Soviet-type SAM installations located in the areas covered by WACs 194, 196, 198, 199, 200, 201, 202, 203, 204, 205, 231, 232, 233, and 234 and identified on photography. The cutoff date for this information is 13 April 1964. Figure 1 shows all the WAC areas, except Cuba, which will be covered in this Series; those in red are covered in this series; WACs covered in previous reports are outlined in red, and the report number is indicated on the graphic. Diagrams of the configurations of the common types of SAM installations are presented in Figure 2. Information for each WAC is shown in a table (Tables 1-14), which gives detailed data, and a map (Figures 3-16), which indicates the location and type of each SAM installation. Because of the volume of data for WACs 232 and 233, Figures 14 and 15 have been repeated for easier reference.

Explanations of the columnar headings used in the tables are as follows:

Item--Given in numerical sequence for each WAC, with numbers assigned to installations arbitrarily, and keyed to the accompanying WAC.

Name, Site Designator, BE Number--In accordance with the TDL. Absence of any of this information indicates that it was not available at the time of publication.

Coordinates--Given in degrees, minutes, and seconds, and plotted from series 200 US Air Target Charts unless otherwise indicated in next column.

Country & Map Reference--BE country codes used. Map reference is to the Air Target Chart sheet number (scale 1:200,000) unless otherwise indicated.

Type & Configuration--Indicates the type of SAM installation and its configuration as illustrated in Figure 2.

Mission & Date First Appears--Gives the number and date of the mission on which the installation was first sighted.

Mission & Date Installation Negated--Refers to the latest [] photography on which it has been established that construction of the installation had not been started. Absence of any notation indicates that this information could not be determined.

Remarks--Covers items of special or unusual interest.

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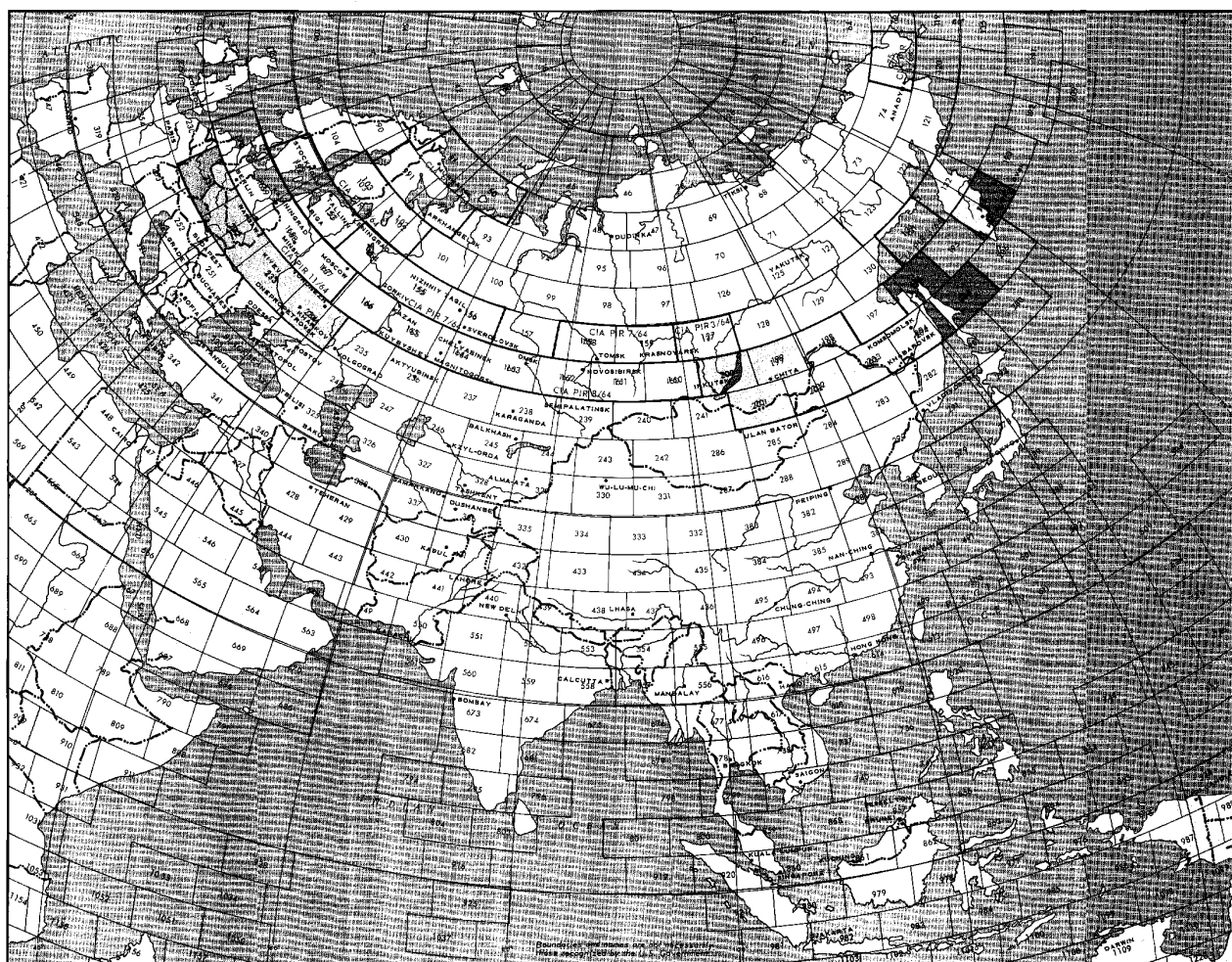


FIGURE 1. ALL AREAS TO BE COVERED IN THIS SERIES. Areas covered by this report in red; areas covered by preceding reports, red-bordered and report numbers indicated.

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Table 1. SAM Installations on WAC 194

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Petropavlovsk-Kamchatskiy SAM Defenses (in defense of major submarine base, ship repair yards, government and military control headquarters)							
1	Petropavlovsk-Kamchatskiy SAM Site C32-2,	53-20-00N 158-10-40E	UR 0194-17	SA-2, configuration undetermined			This unvetted site is collocated with Petropavlovsk SAM Site B28-2. It was previously carried as a Category 2, SA-0 SAM Site.
2	Petropavlovsk-Kamchatskiy SAM Site B28A-2,	53-02-40N 158-18-00E	UR 0194-17	SA-2, configuration undetermined			
3	Petropavlovsk-Kamchatskiy SAM Site B28-2,	53-02-45N 158-18-20E	UR 0194-17	SA-2, star			
4	Petropavlovsk-Kamchatskiy SAM Site B21-2,	52-45-28N 158-20-00E	UR 0194-22	SA-2, configuration undetermined			
5	Petropavlovsk-Kamchatskiy SAM Site	52-55-15N 158-30-10E	UR 0194-17	SA-3, configuration undetermined			
6	Petropavlovsk-Kamchatskiy SAM Site A20-2,	52-54-20N 158-37-30E	UR 0194-17	SA-2, probable link			
7	Petropavlovsk-Kamchatskiy SAM Site A20A-2,	52-52-40N 158-37-00E	UR 0194-17	SA-2, link			
8	Petropavlovsk-Kamchatskiy SAM Site A16-3,	52-55-10N 158-45-20E	UR 0194-17	SA-3, configuration undetermined			
9	Petropavlovsk-Kamchatskiy SAM Site A16-2,	52-55-20N 158-45-20E	UR 0194-17	SA-2, star			
10	Petropavlovsk-Kamchatskiy SAM Support Facility,	53-04-00N 158-46-00E	UR 0194-17	Type I (rectangular)			
11	Petropavlovsk-Kamchatskiy SAM Site A06-2,	53-05-45N 158-51-30E	UR 0194-17	SA-2, star			
12	Mys Shipunskiy SAM Site B31-2,	53-12-48N 159-46-30E	UR 0194-18	SA-2, configuration undetermined			
13	Mys Shipunskiy SAM Site A36-2,	53-14-55N 159-59-56E	UR 0194-18	SA-2, configuration undetermined			
14	Petropavlovsk-Kamchatskiy SAM Site A06-3,	53-06-40N 158-51-25E	UR 0194-17	SA-3, configuration undetermined			
15	Petropavlovsk-Kamchatskiy SAM Site	53-08-25N 158-23-05E	UR 0194-17	SA-2, configuration C			

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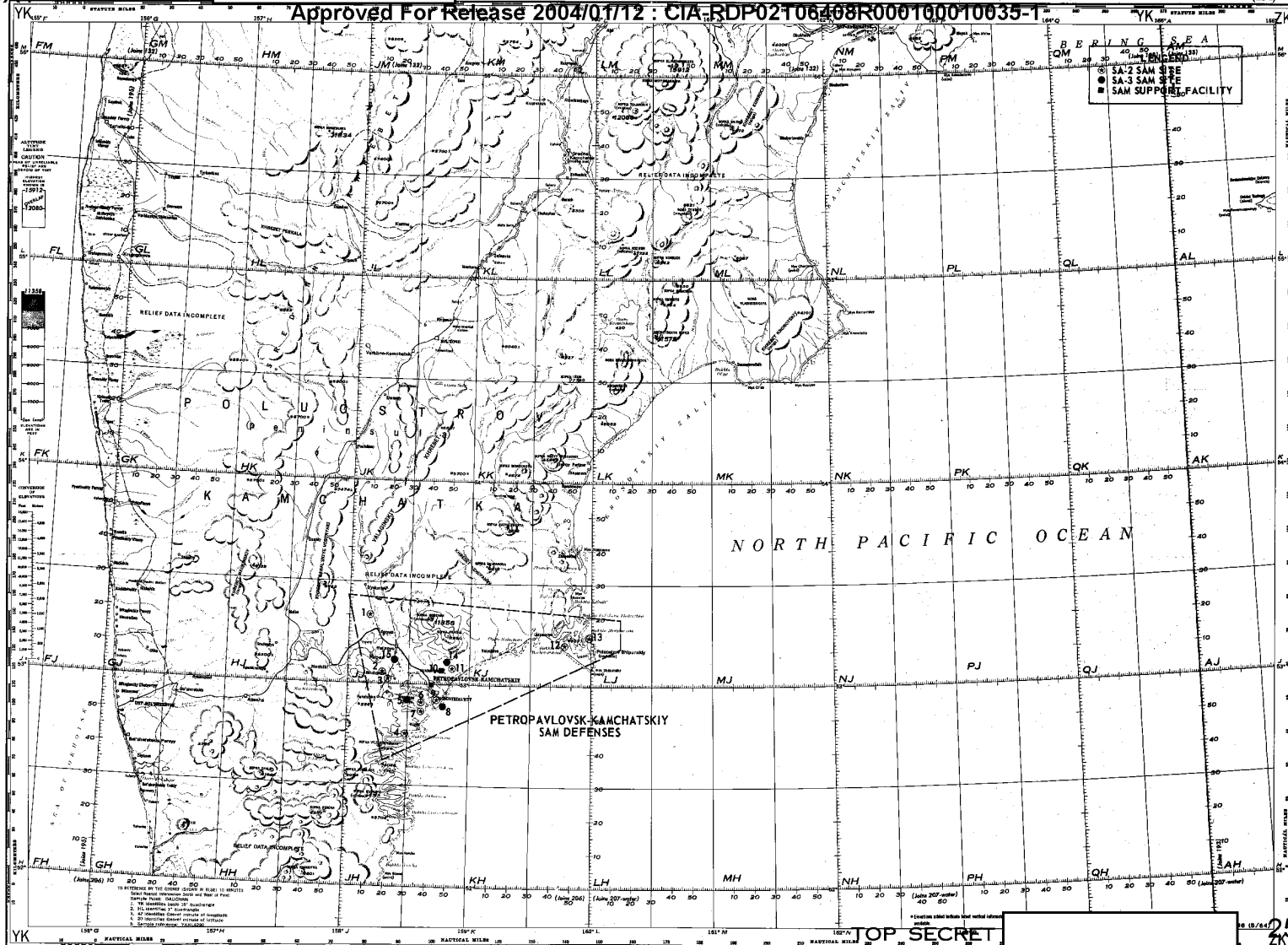
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WORLD AERONAUTICAL CHART

CIA/PIR-14/64 (194)

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KRONOTSKIY GULF (194)
KAMCHATKA, U.S.S.R.

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Table 2. SAM Installations on WAC 196

Table 2. SAM Installations on WAC 120

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Nikolayevsk-Na-Amure SAM Defenses (in defense of Nikolayevsk-Na-Amure: major shipbuilding and repair center, and port facilities)							
1	Nikolayevsk SAM Site A02-2, [REDACTED]	53-10-10N 140-44-45E	UR 0196-17	SA-2, link	[REDACTED]		
2	Nikolayevsk SAM Support Facility, [REDACTED]	53-07-25N 140-52-16E	UR 0196-17	Type II (square)			
3	Nikolayevsk SAM Site B11-2, [REDACTED]	53-03-10N 141-14-00E	UR 0196-17	SA-2, link			
4	Nikolayevsk SAM Site C14-2, [REDACTED]	52-50-52N 141-18-30E	UR 0196-17	SA-2, link			
B. Defense Role Undetermined							
5	Okha SAM Site A08-2, [REDACTED]	58-36-00N 148-02-00E	UR 0196-18	SA-2, fan			

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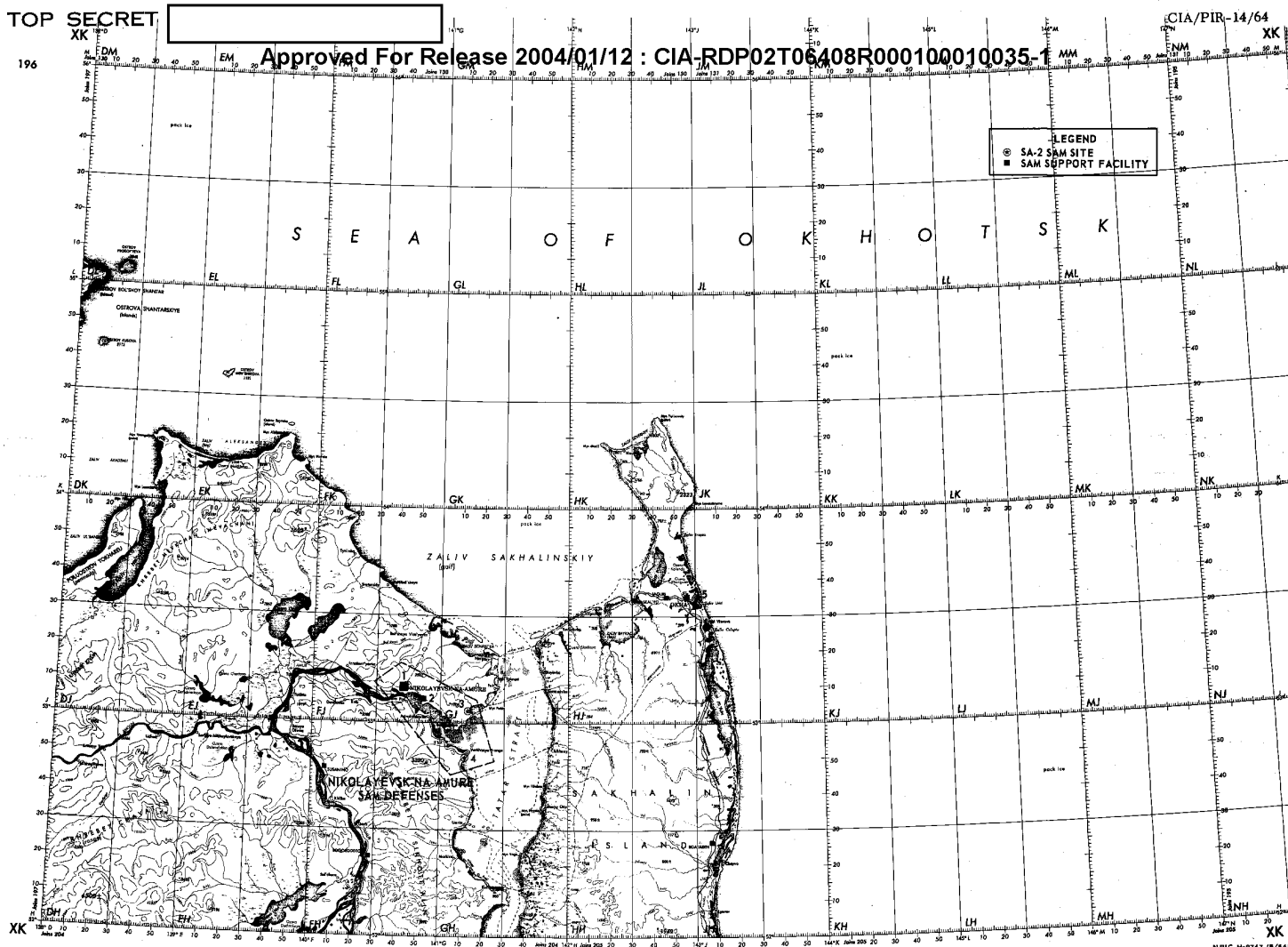


FIGURE 4. WAC 196, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

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SAKHALINSKIY GULF
RUSSIA
196

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Table 3. SAM Installations on WAC 198

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Svobodnyy ICBM Complex SAM Defenses (in defense of Svobodnyy ICBM Complex)							
1	Svobodnyy ICBM Complex SAM Site B01-2, [redacted]	52-07-20N 128-17-00E	UR 0196-25	SA-2, configuration undetermined	[redacted]		

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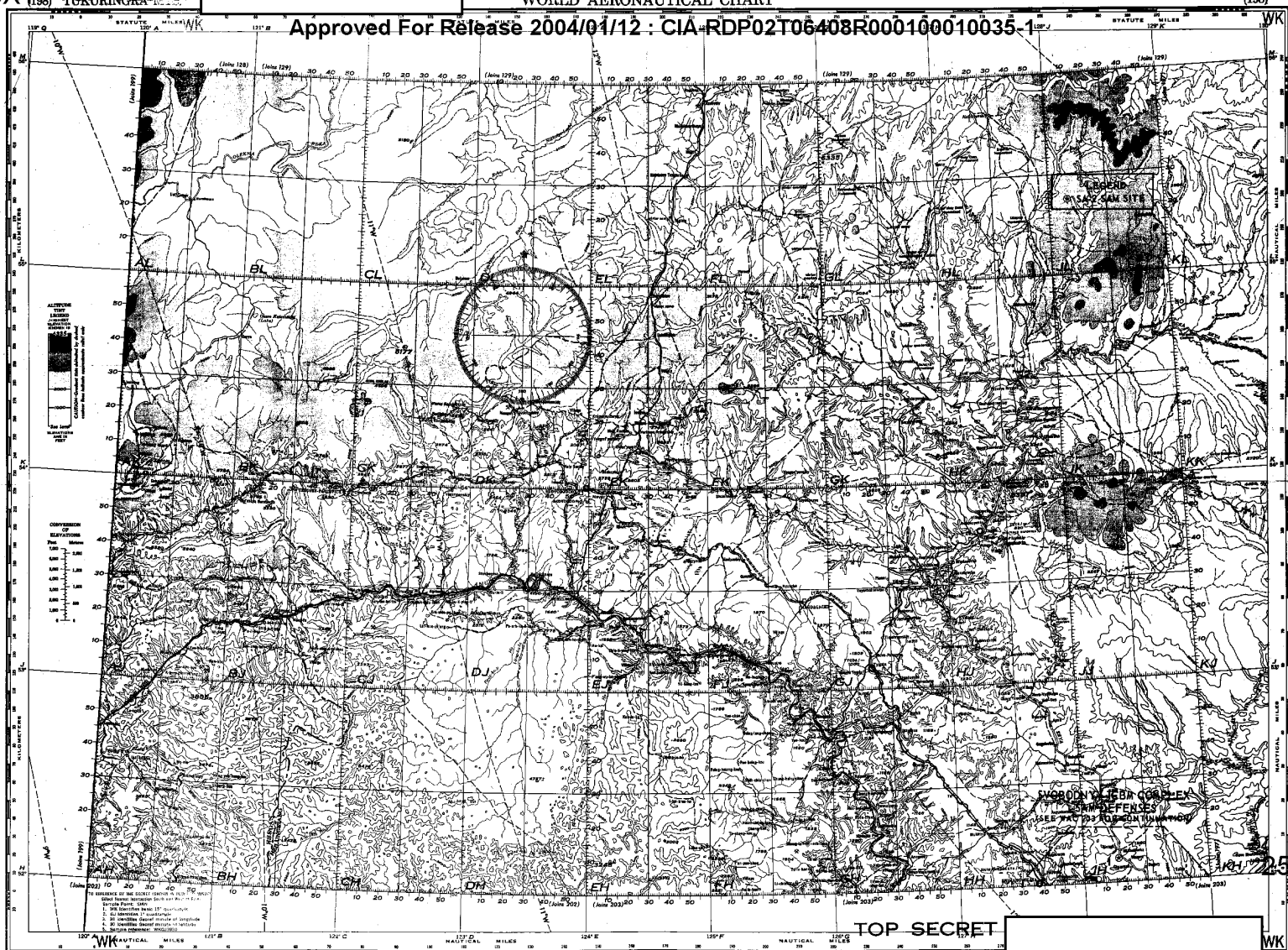
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TUKURINGRA MTS. (198)
CHINA-U.S.S.R.

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Table 4. SAM Installations on WAC 199

Table 4. SAM Installations on WAC 199

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Chita SAM Defenses (in defense of Chita: population center, government and military control center)							
1	Chita SAM Support Facility, [REDACTED]	52-04-18N 118-30-00E	UR 0199-23	Type II (square)	[REDACTED]		
2	Chita SAM Site B03-2, [REDACTED]	52-12-50N 118-32-40E	UR 0199-23	SA-2, link			
B. Unidentified Surface-to-Air Type Missile Activity							
3	Antipinskoye SAM-type activity	52-53-00N 118-32-00E	UR AMS N503, Sheet NN49-12, Edition 1-AMS	Unidentified, generally cir- cular	[REDACTED]		This unidentified activity actually began to appear at the time of [REDACTED], although the supporting area was present on [REDACTED]. The activity consists of three cleared areas, which on later coverage, [REDACTED] contained SAM launch sites of an unknown type, and the support area located several miles to the west of the cleared areas. This may be an R & D facility.

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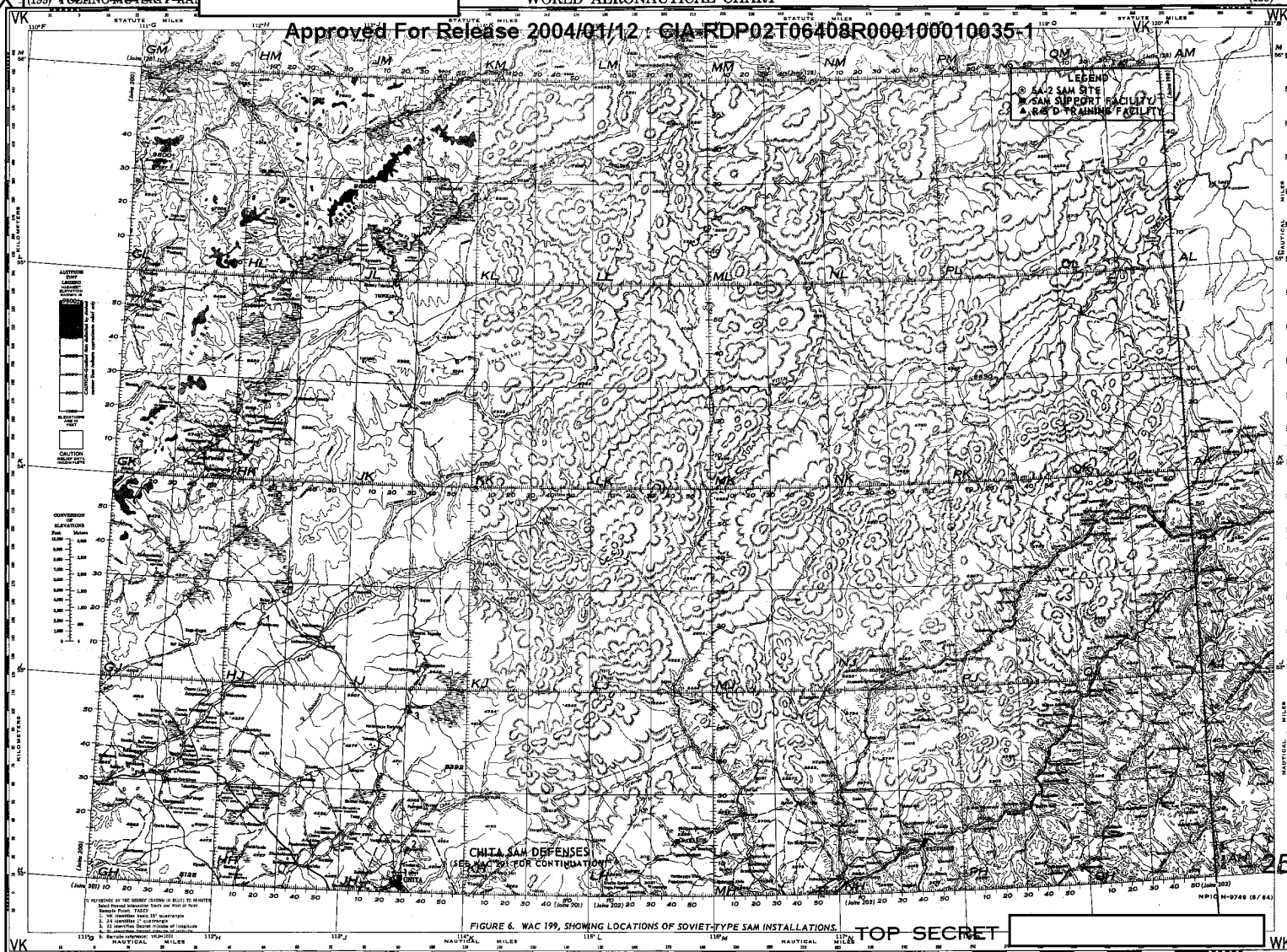
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Table 5. SAM Installations on WAC 200

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Cheromkhovo SAM Defenses (in defense of Belaya Airfield--medium bomber base)							
1	Cheromkhovo SAM Site C10-2, [REDACTED]	53-07-15N 108-42-00E	UR 0200-18	SA-2, link	[REDACTED]		
2	Cheromkhovo SAM Site B18-2, [REDACTED]	52-49-45N 108-07-30E	UR 0200-16	SA-2, link			
B. Irkutsk/Angarsk SAM Defenses (in defense of Irkutsk: population center, government control center, air defense headquarters, and power facilities; and Angarsk: POL refineries, POL storage, and power facilities)							
3	Angarsk SAM Site B36-2, [REDACTED]	53-48-40N 108-51-20E	UR 0200-17	SA-2, link	[REDACTED]		
4	Angarsk SAM Site B32-2, [REDACTED]	52-41-30N 108-36-50E	UR 0200-21	SA-2, link			
5	Angarsk SAM Site B36-2, [REDACTED]	52-27-50N 108-30-50E	UR 0200-21	SA-2, link			
6	Irkutsk SAM Site B26-2, [REDACTED]	52-10-00N 108-41-00E	UR 0200-21	SA-2, link			
7	Irkutsk SAM Site B23-2, [REDACTED]	52-04-10N 108-58-50E	UR 0200-22	SA-2, link			
8	Irkutsk SAM Site B19-2, [REDACTED]	52-02-15N 104-14-15E	UR 0200-22	SA-2, link			
9	Irkutsk SAM Site B13-2, [REDACTED]	52-10-20N 104-33-00E	UR 0200-22	SA-2, link			
10	Irkutsk SAM Site A18-2, [REDACTED]	52-09-50N 104-18-50E	UR 0200-22	SA-2, fan			
11	Irkutsk SAM Support Facility 2, [REDACTED]	52-14-20N 104-13-10E	UR 0200-22	Type I (rectangular)			
12	Irkutsk SAM Site A05-2, [REDACTED]	52-22-10N 104-27-00E	UR 0200-22	SA-2, link			
13	Irkutsk SAM Site B02-2, [REDACTED]	52-33-45N 104-23-30E	UR 0200-22	SA-2, probable link			
14	Irkutsk SAM Site B35-2, [REDACTED]	52-33-40N 104-11-45E	UR 0200-22	SA-2, link			
15	Angarsk SAM Support Facility, [REDACTED]	52-32-50N 104-04-20E	UR 0200-22	Type I (rectangular)	[REDACTED]		
16	Irkutsk SAM Support Facility 1, [REDACTED]	52-24-25N 108-59-10E	UR 0200-22	Type I (rectangular)			

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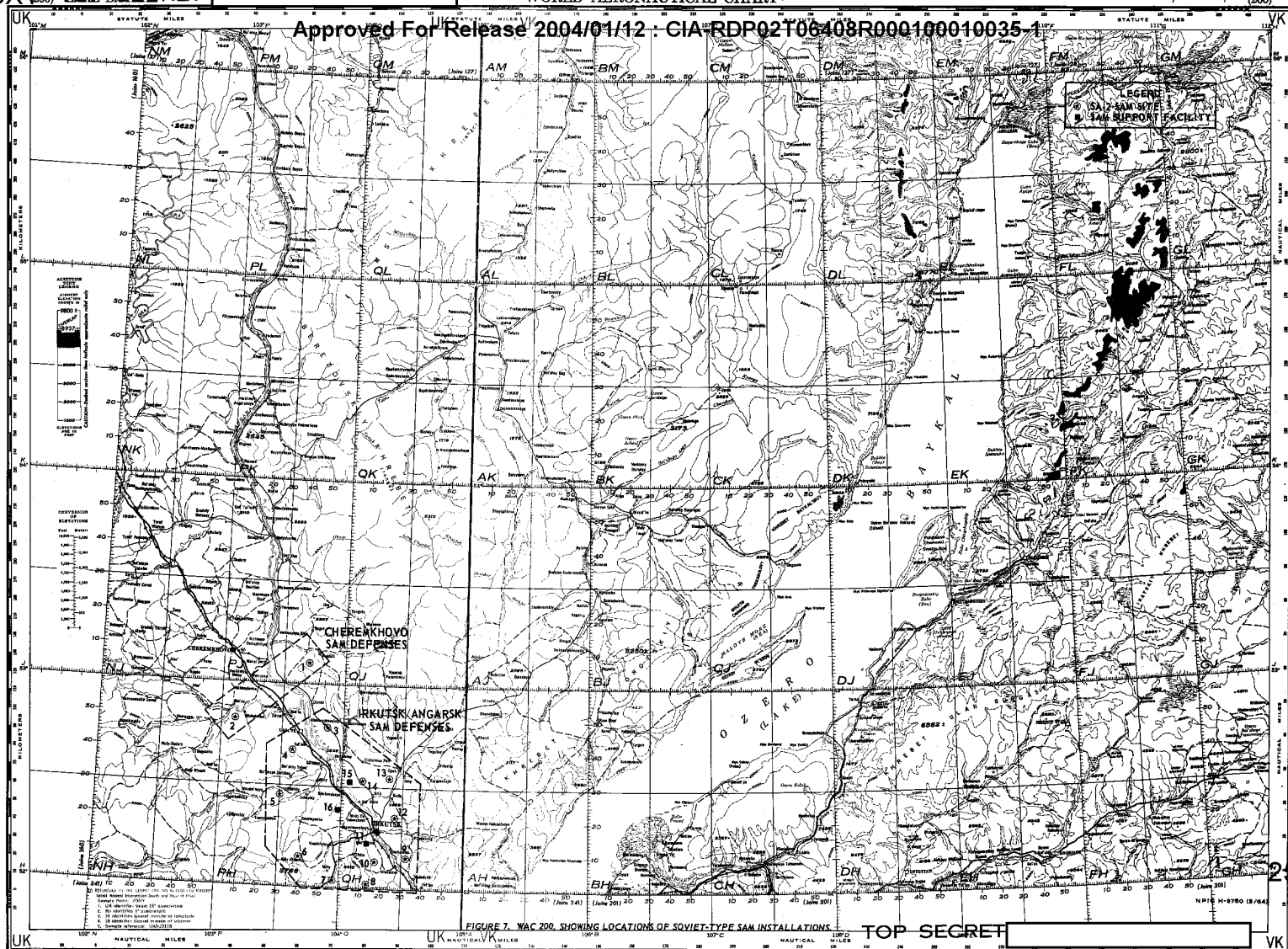
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LAKE BAYKAL (200)
 S.A.P.R. 14/64

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Table 6. SAM Installations on WAC 201

Table 6. SAM Installations on PAC 201							
Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Ulan-Ude SAM Defenses (in defense of Ulan-Ude: industrial, rail, and communications center, aircraft assembly plant, population center, government control center)							
1	Ulan-Ude SAM Site B24-2, [REDACTED]	51-48-30N 107-28-00E	UR 0201-1	SA-2, link	[REDACTED]		
2	Ulan-Ude SAM Site A35-2, [REDACTED]	51-54-20N 107-53-45E	UR 0201-1	SA-2, probable link			
3	Ulan-Ude SAM Support Facility, [REDACTED]	51-47-35N 107-59-40E	UR 0201-1	Type II (square)			
4	Ulan-Ude SAM Site C08-2, [REDACTED]	51-56-10N 108-11-30E	UR 0201-2	SA-2, probable link			
B. Chita SAM Defenses (in defense of Chita: population center, government and military control center)							
5	Chita SAM Site B14-2, [REDACTED]	51-55-00N 113-41-00E	UR 0201-5	SA-2, star			
C. Drovyanaya ICBM Complex SAM Defenses (in defense of Drovyanaya ICBM Complex)							
6	Drovyanaya ICBM Complex SAM Site C26-2, [REDACTED]	51-22-35N 112-26-05E	UR 0201-4	SA-2, link			
7	Drovyanaya ICBM Complex SAM Site B14-2, [REDACTED]	51-17-30N 113-22-00E	UR 0201-5	SA-2, link			

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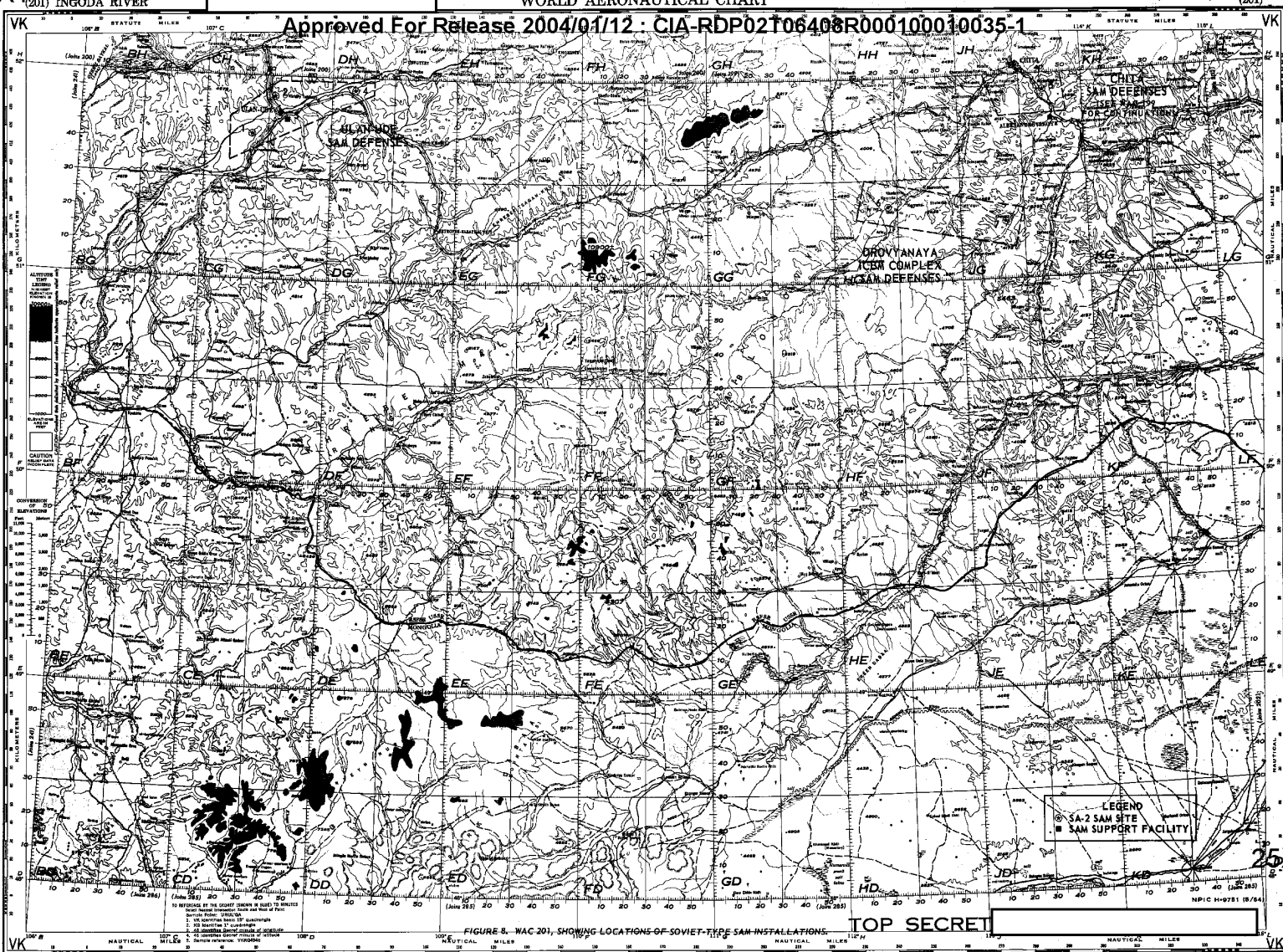
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INGODA RIVER (201)
MONGOLIA - U.S.S.R.

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Table 7. SAM Installations on WAC 202

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Olovyannaya ICBM Complex SAM Defenses (in defense of Olovyannaya ICBM Complex)							
1	Olovyannaya SAM Site C08-2, [REDACTED]	51-18-30N 115-54-45E	UR 0202-1	SA-2, link	[REDACTED]		This is an unrevetted site.
2	Olovyannaya SAM Site B17-2, [REDACTED]	50-48-00N 115-41-30E	UR 0202-6	SA-2, probable link			
3	Khadabulak SAM Site A26-2, [REDACTED]	50-42-25N 115-58-40E	UR 0202-6	SA-2, configuration undetermined			
4	Khadabulak SAM Site A27-2, [REDACTED]	50-43-30N 116-04-20E	UR 0202-6	SA-2, configuration undetermined			
5	Khadabulak SAM Support Facility, [REDACTED]	50-48-00N 116-07-00E	UR 0202-6	Type II (square)			
6	Khadabulak SAM Site A07-2, [REDACTED]	50-46-00N 116-18-20E	UR 0202-6	SA-2, link			
7	Olovyannaya ICBM Complex SAM Site C07-2, [REDACTED]	51-03-20N 116-21-00E	UR 0202-6	SA-2, probable link			

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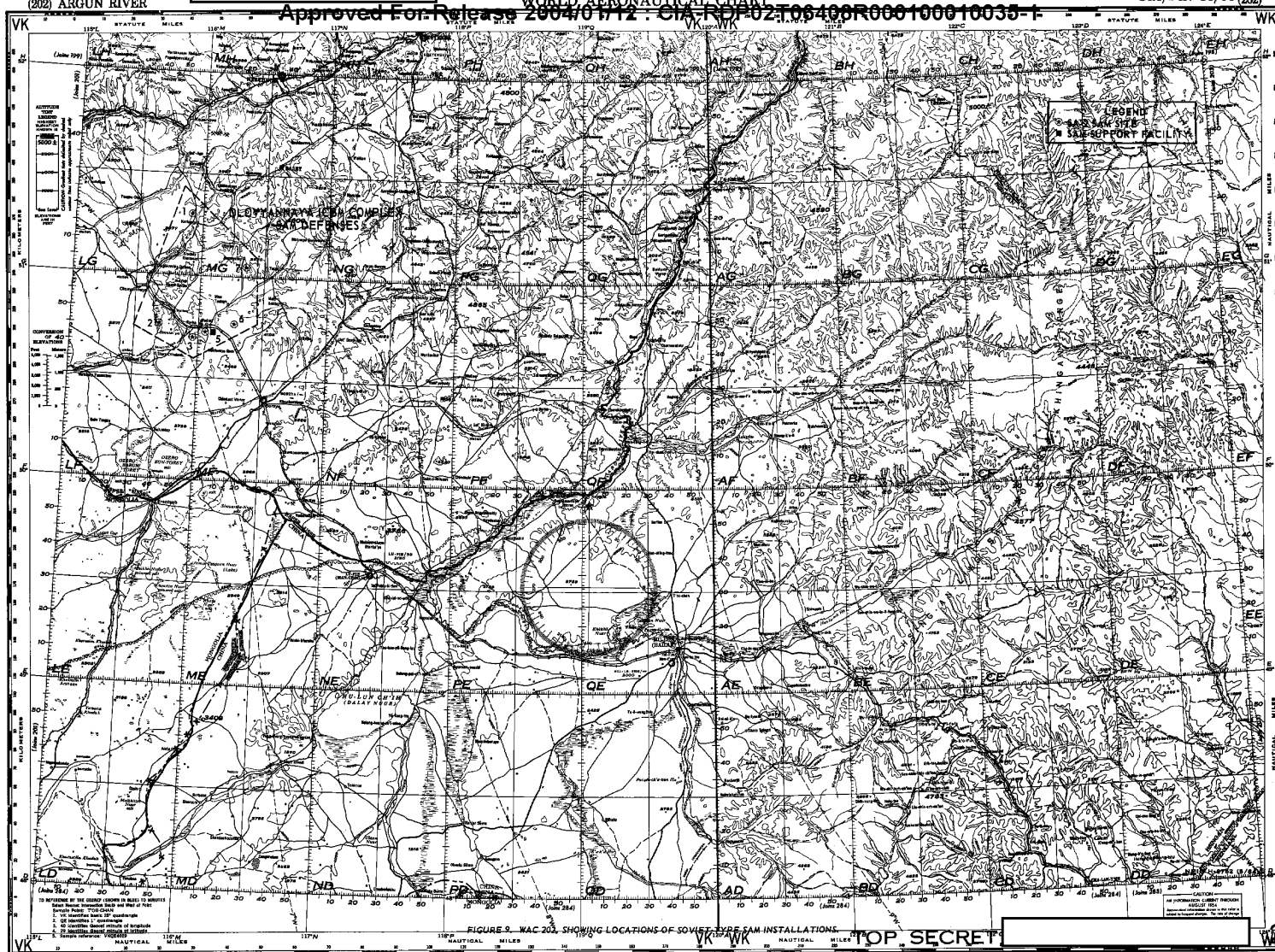
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(202) ARGUN RIVER

WORLD AERONAUTICAL CHART

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ARGUN RIVER (202)

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Table 3. SAM Installations on WAC 203

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks	
*A. Svobodnyy ICBM Complex SAM Defenses (in defense of Svobodnyy ICBM Complex)								
1	Svobodnyy ICBM Complex SAM Site C29-2, [REDACTED]	51-58-00N 127-41-10E	UR 0203-3	SA-2, probable link				
2	Svobodnyy ICBM Complex SAM Site B09-2, [REDACTED]	51-58-45N 128-46-05E	UR 0203-3	SA-2, skull				
*B. Malaya Sazanka SAM Defenses [REDACTED]								
3	Malaya Sazanka SAM Site C38-2, [REDACTED]	51-30-20N 127-45-10E	UR 0203-3	SA-2, daisy				
4	Malaya Sazanka SAM Site B36-2, [REDACTED]	51-28-40N 128-03-30E	UR 0203-3	SA-2, skull				
5	Malaya Sazanka SAM Site B28-2, [REDACTED]	51-18-40N 127-39-50E	UR 0203-2	SA-2, link				
6	Malaya Sazanka SAM Support Facility, [REDACTED]	51-15-10N 128-03-20E	UR 0203-3	Type I (rectangular)				
7	Malaya Sazanka SAM Site B23-2, [REDACTED]	51-01-50N 127-48-40E	UR 0203-3	SA-2, link				
16	Malaya Sazanka SAM Site A03-2, [REDACTED]	51-19-00N 128-09-20E	UR 0203-3	SA-2, fan				
*C. Ukraina Airfield SAM Defenses [REDACTED]								
8	Ukraina SAM Site C36-2, [REDACTED]	51-25-20N 128-29-00E	UR 0203-3	SA-2, fan				
9	Ukraina SAM Support Facility, [REDACTED]	51-04-10N 128-20-20E	UR 0203-3	Type I (rectangular)				
10	Ukraina SAM Site B23-2, [REDACTED]	50-58-15N 128-16-05E	UR 0203-3	SA-2, skull				
11	Ukraina SAM Site B15-2, [REDACTED]	50-55-00N 128-43-40E	UR 0203-3	SA-2, fan				
12	Ukraina SAM Site B08-2, [REDACTED]	51-10-30N 128-52-00E	UR 0203-3	SA-2, fan				
*Some elements of all three defense complexes are mutually supporting.								
D. Birobidzhan SAM Defenses (defense role has not been determined)								
13	Birobidzhan SAM Site C31-2, [REDACTED]	48-59-30N 132-27-10E	UR 0203-20	SA-2, probable link				
14	Birobidzhan SAM Site A15-2, [REDACTED]	48-44-00N 132-58-00E	UR 0203-25	SA-2, link				
15	Birobidzhan SAM Support Facility	48-43-35N 132-58-20E	UR 0203-25	Type II (square)				

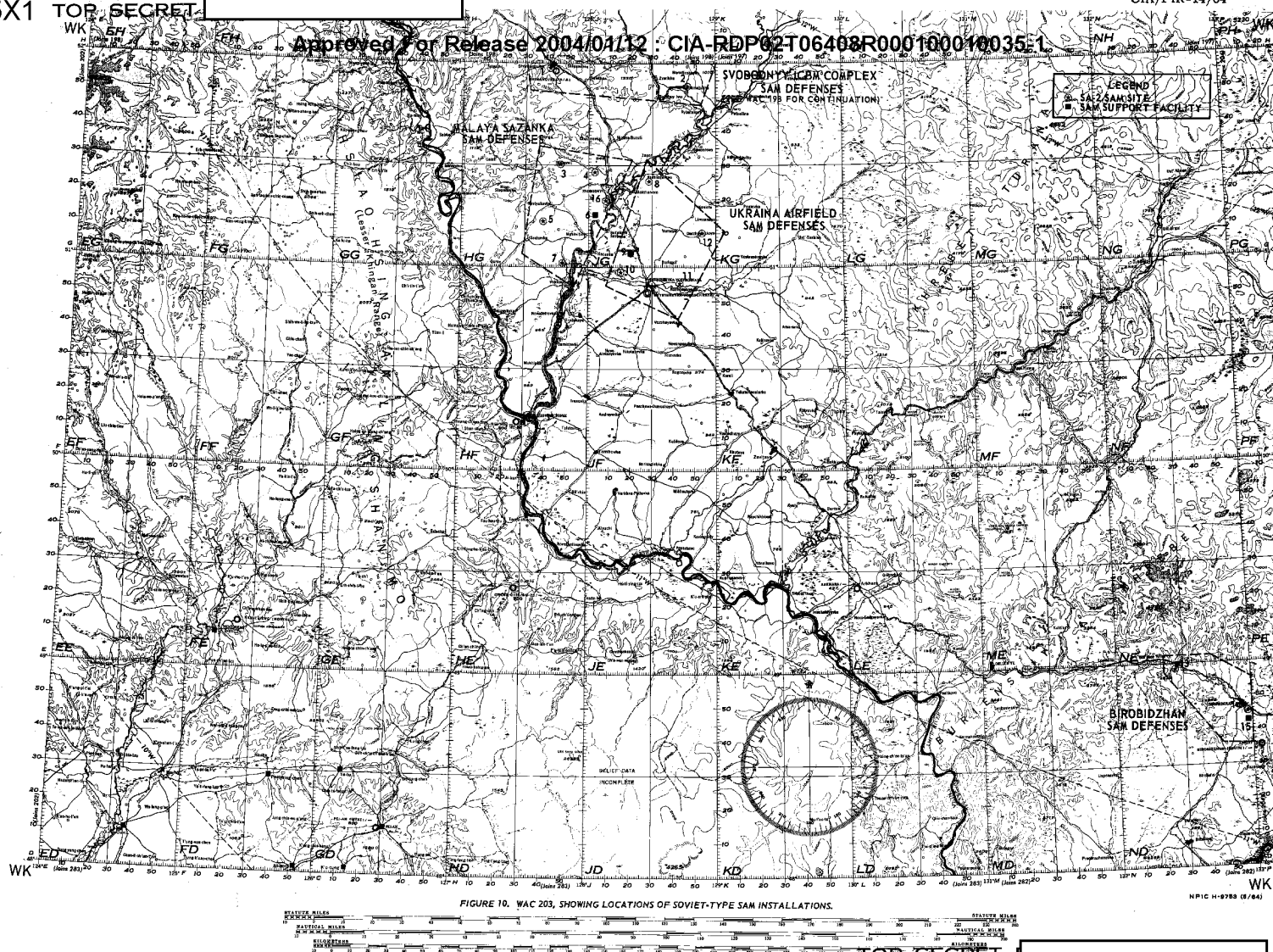
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AMUR RIVER (203)

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Table 9. SAM Installations on WAC 204

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Khabarovsk SAM Defenses (in defense of Khabarovsk: industrial center, seaport, fighter and seaplane bases, shipyards, naval base, [redacted] and headquarters for Soviet Far East Air Force)							
1	Khabarovsk SAM Site B19-2, [redacted]	48-10-45N 135-08-15E	UR 0204-22	SA-2, skull	[redacted]		
2	Khabarovsk SAM Site B24-2, [redacted]	48-19-20N 134-52-00E	UR 0204-22	SA-2, skull			
3	Khabarovsk SAM Support Facility 1, [redacted]	48-22-40N 135-09-00E	UR 0204-22	Type I (rectangular)			
4	Khabarovsk SAM Site A26-2, [redacted]	48-25-30N 135-09-00E	UR 0204-22	SA-2, skull			
5	Khabarovsk SAM Site B09-2, [redacted]	48-29-10N 135-29-35E	UR 0204-22	SA-2, skull			
B. Komsomolsk SAM Defenses (in defense of Komsomolsk: major shipyard, aircraft plant, iron and steel plant, and air defense headquarters)							
6	Komsomolsk SAM Site B31-2, [redacted]	50-23-20N 136-54-50E	UR 0204-13	SA-2, probable link	[redacted]		
7	Komsomolsk SAM Site B22-2, [redacted]	50-25-00N 136-53-30E	UR 0204-8	SA-2, probable link			
8	Komsomolsk SAM Support Facility, [redacted]	50-33-20N 136-53-50E	UR 0204-8	Type I (rectangular)			
9	Komsomolsk SAM Site A23-2, [redacted]	50-41-20N 136-52-10E	UR 0204-8	SA-2, probable link			
10	Komsomolsk SAM Site B04-2, [redacted]	50-43-20N 137-11-30E	UR 0204-8	SA-2, probable fan			
11	Komsomolsk SAM Site B14-2, [redacted]	50-24-00N 137-22-00E	UR 0204-8	SA-2, probable link			
17	Komsomolsk SAM Site B13A-2, [redacted]	50-24-00N 137-26-50E	UR 0204-8	SA-2, configuration undetermined			
C. Sovetskaya Gavan SAM Defenses (in defense of Sovetskaya Gavan: MRBM complex, large naval base, shipbuilding and repair facilities for Soviet Pacific fleet, port facilities, submarine base, and air defense headquarters)							
12	Sovetskaya Gavan SAM Site A01-2, [redacted]	48-10-50N 140-18-00E	UR 0204-20	SA-2, link	[redacted]		
13	Sovetskaya Gavan SAM Site A13-2, [redacted]	48-59-10N 140-22-40E	UR 0204-20	SA-2, link			
14	Sovetskaya Gavan SAM Support Facility, [redacted]	48-58-25N 140-12-20E	UR 0204-19	Type II (square)			
15	Sovetskaya Gavan SAM Site A25-2, [redacted]	48-56-30N 140-05-20E	UR 0204-20	SA-2, star			
16	Sovetskaya Gavan SAM Site B19-2, [redacted]	48-49-00N 140-13-45E	UR 0204-20	SA-2, link			

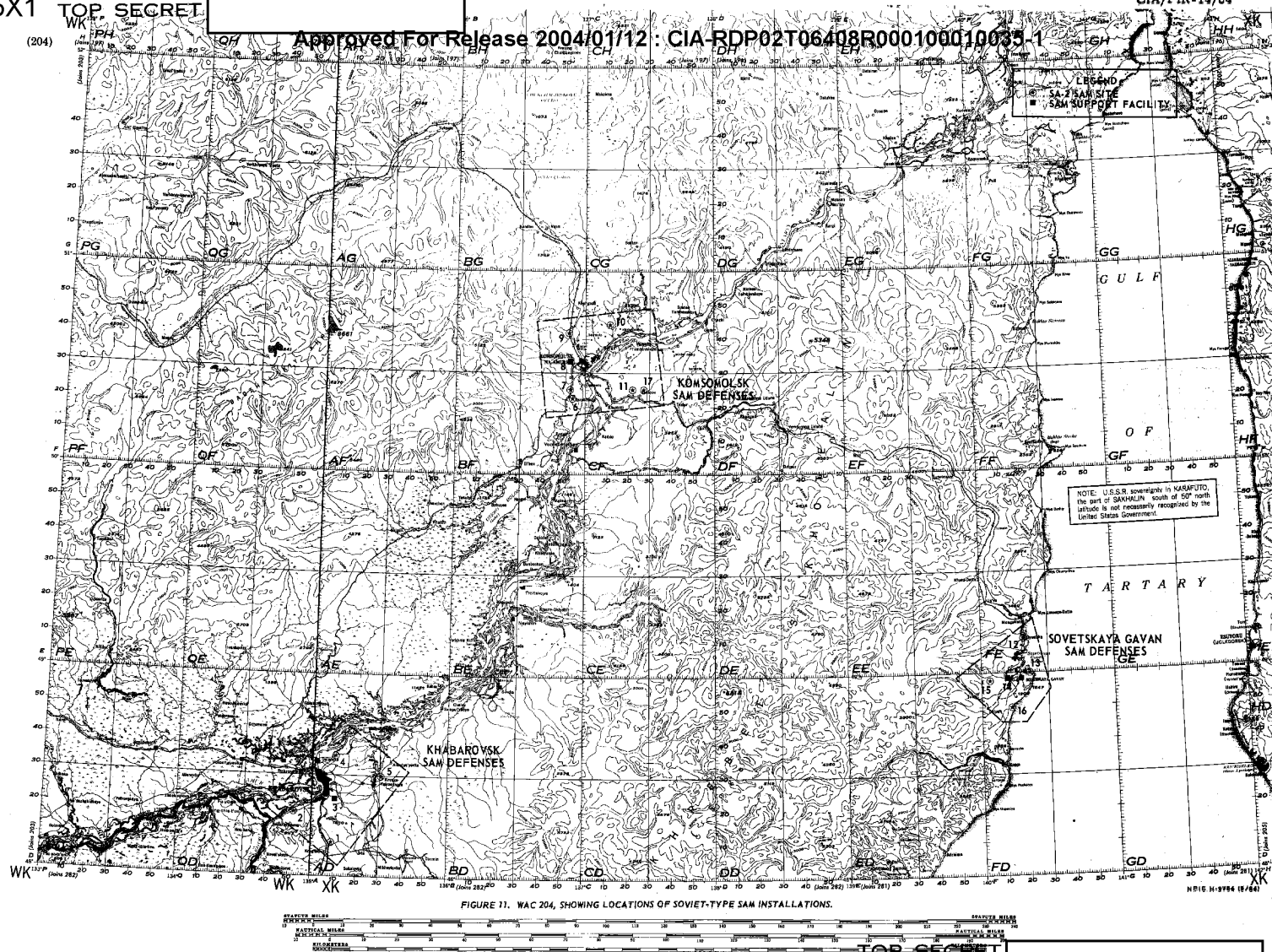
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WORLD AERONAUTICAL CHART

LAKE BOLON' (204)

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Table 10. SAM Installations on WAC 205

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Poronaysk SAM Defenses (defense role has not been determined)							
1	Poronaysk SAM Site B32-2, [REDACTED]	49-24-25N 143-52-00E	UR 0205-16	SA-2, star	[REDACTED]		
2	Poronaysk SAM Site A22-2, [REDACTED]	49-06-35N 142-37-15E	UR 0205-16	SA-2, configuration undetermined			

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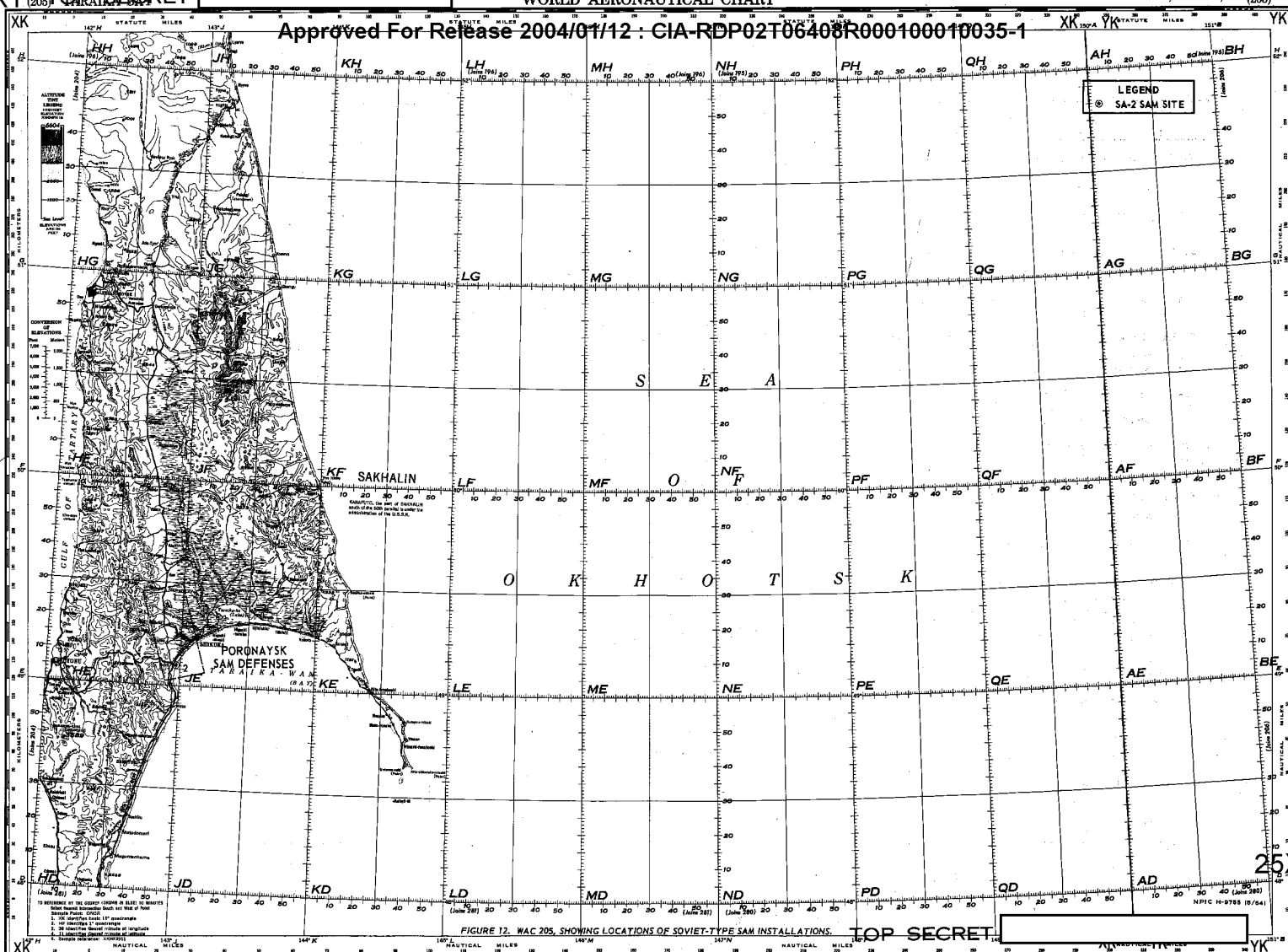
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TARAIKA BAY (205)

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Table 11. SAM Installations on WAC 231

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
D. Czechoslovakian Western Border SAM Defenses (in defense of the western border of Czechoslovakia) 12 Karlovy Vary SAM Site A11-2, 50-13-00N 13-04-00E CZ 0231-14 SA-2, configuration undetermined 13 Plzen SAM Site A21-2 49-36-20N 13-18-45E CZ 0231-14 SA-2, probable link E. Prague (Czechoslovakia) SAM Defenses (in defense of Prague, capital of Czechoslovakia; governmental, industrial, and military center of Czechoslovakia) 14 Prague SAM Site B09-2, 50-10-25N 13-59-15E CZ 0231-14 SA-2, fan 15 Prague SAM Site C04-2, 50-29-30N 14-19-00E CZ 0231-14 SA-2, probable fan 16 Prague SAM Site B03-2, 50-30-20N 14-37-55E CZ 0231-15 SA-2, probable fan 17 Prague SAM Site C06-2, 50-16-53N 14-58-55E CZ 0231-15 SA-2, configuration undetermined 18 Prague SAM Site B11-2, 50-01-25N 14-51-20E CZ 0231-15 SA-2, fan 19 Prague SAM Site B16-2, 49-52-00N 14-37-45E CZ 0231-15 SA-2, probable fan 20 Prague SAM Site B21-2, 49-46-45N 14-13-50E CZ 0231-15 SA-2, fan 21 Prague SAM Site B25-2, 49-58-00N 14-00-45E CZ 0231-14 SA-2, fan 22 Prague SAM Support Facility, 50-01-20N 14-03-15E CZ 0231-14 Type I (rectangular) F. Aslau (Poland) SAM Defenses (in defense of Aslau Airfield: a major Soviet airbase in Poland) 23 Boleslawiec SAM Site A07-2, 51-18-20N 15-44-55E PO 0231-5 SA-2, link							

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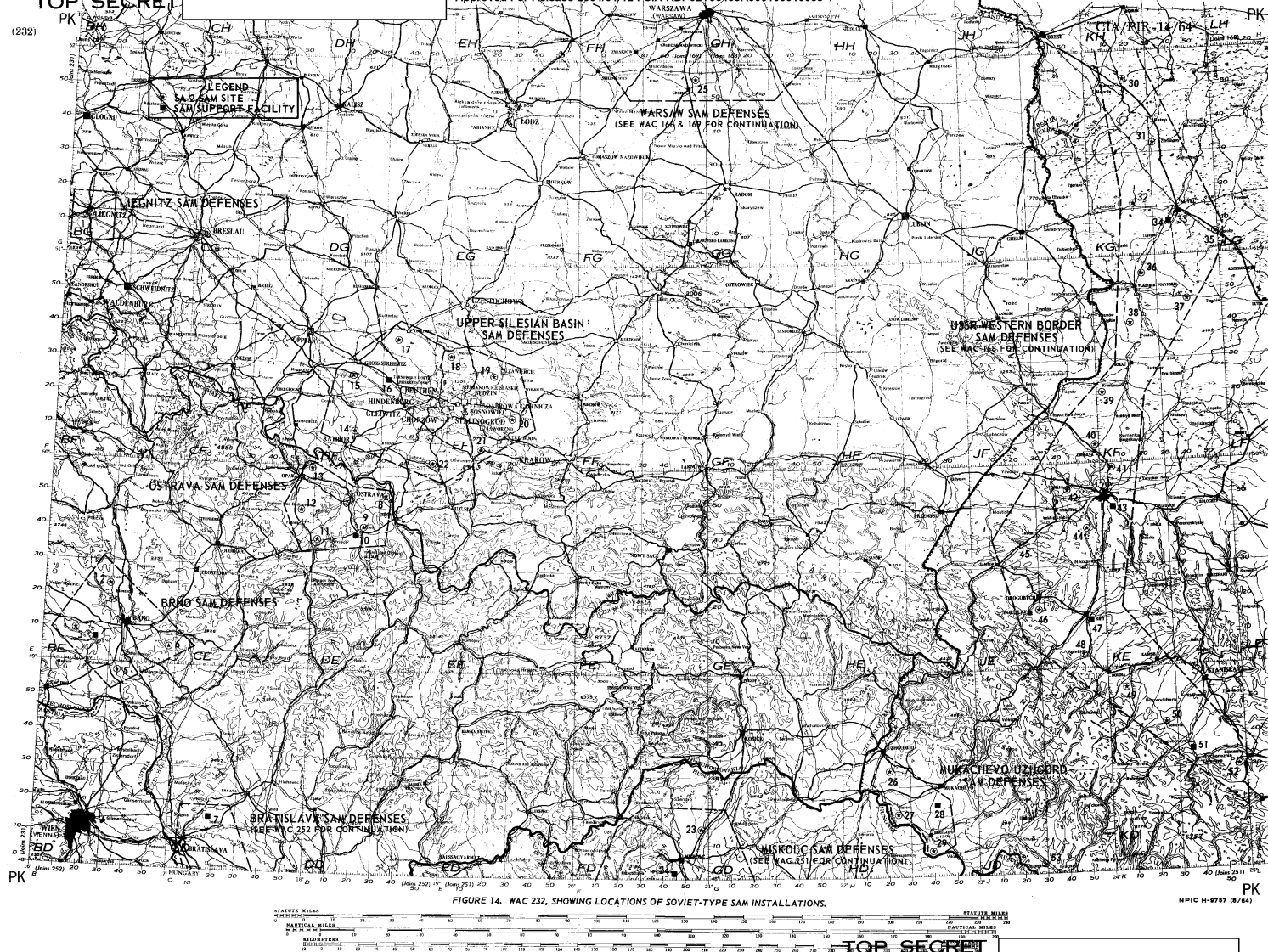
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Table 12. SAM Installations on WAC 232

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks	
A. Liegnitz (Poland) SAM Defenses (probably in defense of Liegnitz Airfield)								
1	Liegnitz SAM Site A28-2, [REDACTED]	51-11-50N 16-08-30E	PO 0232-6	SA-2, probable star	[REDACTED]			
B. Brno (Czechoslovakia) SAM Defenses (in defense of major electronic, heavy industry, transportation, and military facilities)								
2	Brno SAM Site B35-2, [REDACTED]	49-23-30N 16-30-15E	CZ 0232-16	SA-2, configuration undetermined				
3	Brno SAM Site B26-2, [REDACTED]	49-09-25N 16-15-00E	CZ 0232-16	SA-2, configuration undetermined				
4	Brno SAM Support Facility, [REDACTED]	49-07-35N 16-24-00E	CZ 0232-16	Type I (rectangular)			This facility has been incorporated into an existing explosive storage area. It resembles the Type I facility more than the Type II.	
5	Brno SAM Site B19-2, [REDACTED]	48-57-10N 16-35-15E	CZ 0232-16	SA-2, daisy				
6	Brno SAM Site B12-2, [REDACTED]	49-05-00N 16-57-35E	CZ 0232-16	SA-2, configuration undetermined				
C. Bratislava (Czechoslovakia) SAM Defenses (in defense of major military center with important industrial facilities, including POL, explosives, wire and cable, and electrical engineering products)								
7	Bratislava SAM Support Facility [REDACTED]	48-16-25N 17-19-30E	CZ 0232-21	Type I (rectangular)	[REDACTED]			
D. Ostrava (Czechoslovakia) SAM Defenses (in defense of important coal and iron ore mining, industrial center, metallurgical plants, chemical plant, and coke plant)								
8	Ostrava SAM Site B09-2, [REDACTED]	49-52-00N 18-35-30E	CZ 0232-12	SA-2, fan	[REDACTED]			
9	Ostrava SAM Site A16-2, [REDACTED]	49-41-10N 18-24-20E	CZ 0232-12	SA-2, fan				
10	Ostrava SAM Support Facility, [REDACTED]	49-39-30N 18-20-00E	CZ 0232-12	Type I (rectangular)				
11	Ostrava SAM Site B22-2, [REDACTED]	49-38-00N 18-02-30E	CZ 0232-12	SA-2, fan				
12	Ostrava SAM Site B26-2, [REDACTED]	49-47-00N 17-55-00E	CZ 0232-12	SA-2, fan				
13	Ostrava SAM Site B32-2, [REDACTED]	49-59-30N 18-00-00E	CZ 0232-12	SA-2, fan				
E. Upper Silesian Basin (Poland) SAM Defenses (in defense of most important industrial complex in Poland)								
14	Chorzow SAM Site C26-2, [REDACTED]	50-11-30N 18-18-10E	PO 0232-12	SA-2, fan	[REDACTED]			
15	Chorzow SAM Site C29-2, [REDACTED]	50-07-00N 18-17-40E	PO 0232-7	SA-2, fan				
16	Pyskowice SAM Support Facility, [REDACTED]	50-25-40N 18-33-30E	PO 0232-7	Type I (rectangular)				
17	Chorzow SAM Site C33-2, [REDACTED]	50-37-45N 18-37-30E	PO 0232-7	SA-2, fan				
18	Chorzow SAM Site B01-2, [REDACTED]	50-33-40N 19-01-05E	PO 0232-7	SA-2, fan				
19	Chorzow SAM Site B06-2, [REDACTED]	50-27-50N 19-21-54E	PO 0232-7	SA-2, fan				
20	Chorzow SAM Site C10-2, [REDACTED]	50-15-00N 19-30-00E	PO 0232-12	SA-2, fan				
21	Chorzow SAM Site B14-2, [REDACTED]	50-05-30N 19-16-40E	PO 0232-12	SA-2, fan				
22	Chorzow SAM Site B19-2, [REDACTED]	50-02-10N 18-54-40E	PO 0232-12	SA-2, fan				
F. Miskolc (Hungary) SAM Defenses (in defense of major Hungarian iron and steel producing area, heavy industrial complex, and major transportation facilities)								
23	Miskolc SAM Site B04-2, [REDACTED]	48-14-00N 20-56-20E	HU 0232-23	SA-2, daisy	[REDACTED]			
24	Miskolc SAM Support Facility, [REDACTED]	48-01-20N 20-45-40E	HU 0232-23	Type I (rectangular)				

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Table 12. (Continued)

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
G. Warsaw (Poland) SAM Defenses (in defense of Polish capital: industrial, military, and governmental control center of Poland)							
25	Warsaw SAM Site C19-2, [REDACTED]	51-54-00N 20-55-00E	PO 0282-3	SA-2, link			
H. Mukachevo/Uzhgorod SAM Defenses (in defense of Mukachevo and Uzhgorod MRBM Complexes)							
26	Mukachevo SAM Site B29-2, [REDACTED]	48-31-10N 22-21-40E	UR 0282-24	SA-2, star			
27	Mukachevo SAM Site B24-2, [REDACTED]	48-18-00N 22-24-00E	UR 0282-24	SA-2, star			
28	Mukachevo SAM Support Facility, [REDACTED]	48-21-00N 22-42-40E	UR 0282-24	Type II (square)			
29	Mukachevo SAM Site B19-2, [REDACTED]	48-07-30N 22-39-50E	UR 0282-24	SA-2, star			
I. USSR Western Border SAM Defenses (in defense of western border of USSR and Sokal, Droghybych, Dolina, and Nadvornaya MRBM Complexes)							
30	Brest SAM Site C18-2, [REDACTED]	51-51-00N 24-19-30E	UR 0282-5	SA-2, link			
31	Kovel SAM Site C35-2, [REDACTED]	51-32-50N 24-32-50E	UR 0282-5	SA-2, star			
32	Kovel SAM Site B29-2, [REDACTED]	51-15-50N 24-29-30E	UR 0282-5	SA-2, star			
33	Kovel SAM Site A24-2, [REDACTED]	51-12-00N 24-41-00E	UR 0282-5	SA-2, fan			
34	Kovel SAM Support Facility, [REDACTED]	51-10-20N 24-38-20E	UR 0282-10	Type II (square)			
35	Kovel SAM Site B19-2, [REDACTED]	51-06-45N 24-59-00E	UR 0282-10	SA-2, star			
36	Vladimir Volynskiy SAM Site A04-2, [REDACTED]	50-55-10N 24-23-50E	UR 0282-10	SA-2, star			
37	Lutsk MRBM Complex SAM Site B27-2, [REDACTED]	50-47-15N 24-44-20E	UR 0282-10	SA-2, link			
38	Sokal SAM Site B01-2, [REDACTED]	50-40-30N 24-17-05E	UR 0282-10	SA-2, star			
39	Sokal MRBM Complex SAM Site B28-2, [REDACTED]	50-21-15N 24-02-55E	UR 0282-15	SA-2, star			
40	Lvov SAM Site B36-2, [REDACTED]	50-05-05N 23-58-35E	UR 0282-15	SA-2, star			
41	Lvov SAM Site A02-2, [REDACTED]	49-58-00N 24-03-00E	UR 0282-15	SA-2, star			
42	Lvov SAM Site B29-2, [REDACTED]	49-52-20N 23-43-40E	UR 0282-15	SA-2, link			
43	Lvov SAM Support Facility, [REDACTED]	49-47-10N 24-05-30E	UR 0282-15	Type I (rectangular)			
44	Lvov SAM Site B21-2, [REDACTED]	49-41-01N 23-53-20E	UR 0282-15	SA-2, star			
45	Droghybych SAM Site B33-2, [REDACTED]	49-37-20N 23-28-41E	UR 0282-15	SA-2, star			
46	Droghybych SAM Site A19-2, [REDACTED]	49-17-30N 23-30-00E	UR 0282-20	SA-2, star			
47	Struy SAM Support Facility, [REDACTED]	49-14-30N 23-53-10E	UR 0282-20	Type II (square)			
48	Struy SAM Site B15-2, [REDACTED]	49-04-50N 23-50-30E	UR 0282-20	SA-2, star			
49	Dolina MRBM Complex SAM Site B18-2, [REDACTED]	48-54-10N 24-08-30E	UR 0282-20	SA-2, star			
50	Ivano Frankovsk SAM Site B23-2, [REDACTED]	48-43-20N 24-26-00E	UR 0282-25	SA-2, star			
51	Nadvornaya SAM Support Facility, [REDACTED]	48-35-25N 24-36-10E	UR 0282-25	Type II (square)			
52	Ivano Frankovsk SAM Site C16-2, [REDACTED]	48-30-50N 24-57-35E	UR 0282-25	SA-2, star			
J. Defense Role Undetermined							
53	Khust SAM Site B14-2, [REDACTED]	48-08-50N 23-29-41E	UR 0282-25	SA-2, link			

Only 5 launch revetments are visible at this site. The proximity of this site to surrounding buildings suggests that it may be a training site.

This site may never have been completed. On [REDACTED] consisted of at least two launch revetments and a portion of a star configuration road pattern.

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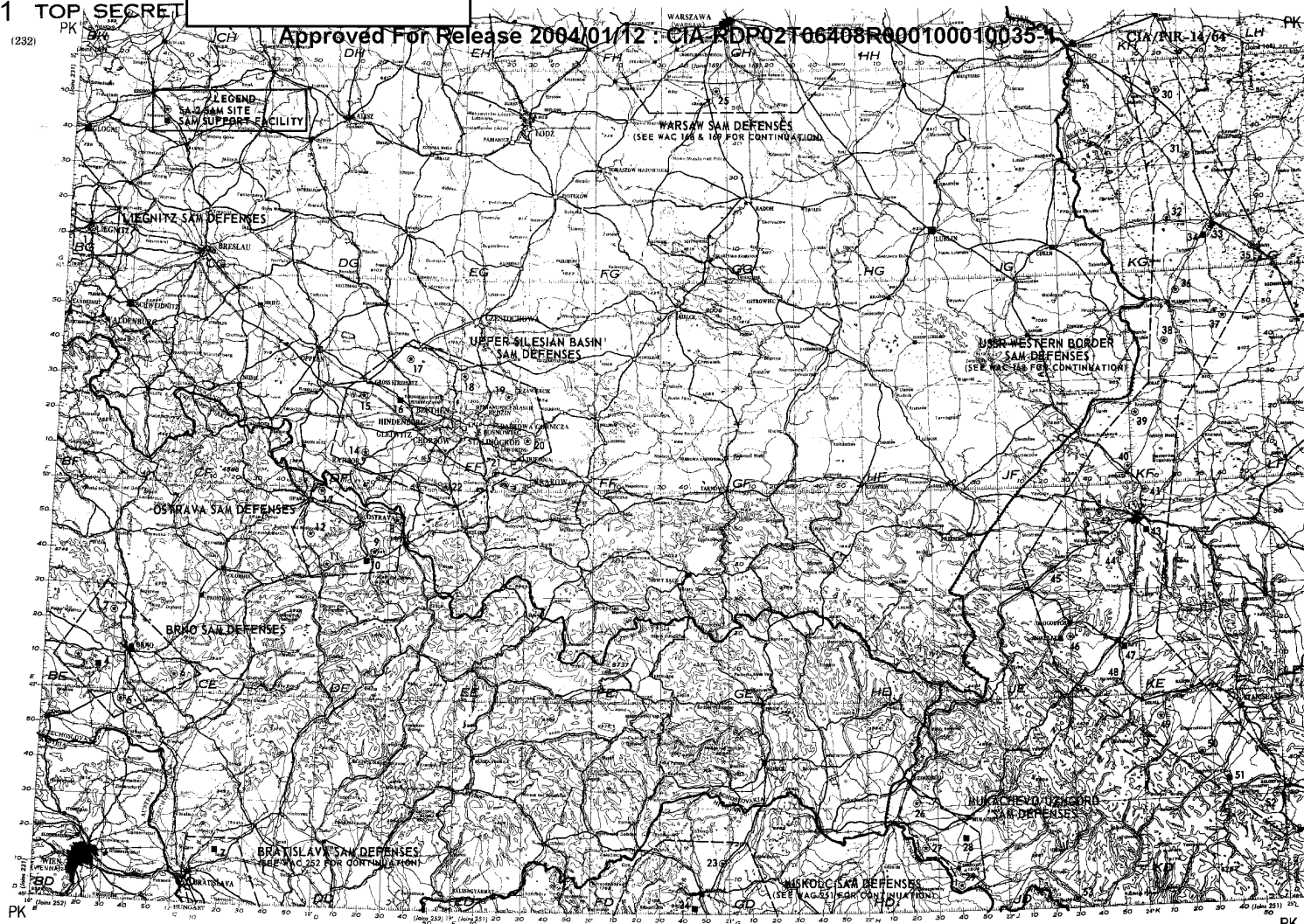


FIGURE 14 (REPEAT). WAC 232, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

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CENTRAL CARPATHIANS (232)

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Table 15. SAM Installations on WAC 233

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks			
*A. Lutsk SAM Defenses (in defense of Lutsk and Kivertsy MRBM Complexes)										
1	Kivertsy MRBM Launch Complex SAM Site A01-2, [REDACTED]	51-04-15N 25-34-20E	UR 0233-6	SA-2, star			This site has no associated support buildings, and appears abandoned.			
2	Lutsk MRBM Complex SAM Site A06-2, [REDACTED]	50-49-50N 25-13-40E	UR 0233-6	SA-2, probable star						
3	Lutsk SAM Support Facility, [REDACTED]	50-45-50N 25-09-00E	UR 0233-6	Type II (square)						
B. Brody SAM Defenses (in defense of Brody MRBM Complex)										
4	Brody MRBM Complex SAM Site B18-2, [REDACTED]	50-08-40N 25-06-00E	UR 0233-11	SA-2, star						
*C. Nadvornaya SAM Defenses (in defense of Nadvornaya MRBM Complex)										
5	Ivano Frankovsk SAM Site B12-2, [REDACTED]	48-49-00N 25-06-50E	UR 0233-16	SA-2, star						
D. Kamenets-Podolskiy Borshehev SAM Defenses (in defense of Kamenets-Podolskiy and Borshehev MRBM Complexes)										
6	Chortkov SAM Site B26-2, [REDACTED]	49-12-35N 25-44-58E	UR 0233-16	SA-2, configuration undetermined						
7	Borshehev SAM Support Facility, [REDACTED]	48-46-00N 26-02-00E	UR 0233-21	Type II (square)						
8	Chernovtsy SAM Site C01-2, [REDACTED]	48-39-00N 26-01-00E	UR 0233-21	SA-2, star						
9	Kamenets-Podolskiy SAM Site A30-2, [REDACTED]	48-44-50N 26-25-30E	UR 0233-21	SA-2, star						
10	Kamenets-Podolskiy MRBM Complex SAM Site A27-2, [REDACTED]	48-52-40N 26-48-30E	UR 0233-17	SA-2, star						
E. Yelsk SAM Defenses (in defense of Yelsk MRBM Complex)										
11	Konkovich MRBM Complex SAM Site C19-2, [REDACTED]	51-51-20N 28-33-10E	UR 0233-2	SA-2, link						
12	Yelsk MRBM Complex SAM Site A10-2, [REDACTED]	51-43-45N 29-25-30E	UR 0233-8	SA-2, link						
F. Belokorovich/Usovo SAM Defenses (in defense of Belokorovich, Korosten and Usovo MRBM Complexes)										
13	Ovruch SAM Site B29-2, [REDACTED]	51-24-05N 26-24-00E	UR 0233-2	SA-2, star						
14	Belokorovich MRBM Complex SAM Site B27-2, [REDACTED]	51-09-20N 27-43-40E	UR 0233-7	SA-2, star						
15	Korosten SAM Support Facility, [REDACTED]	51-01-30N 28-33-30E	UR 0233-7	Type II (square)						
16	Korosten SAM Site C26-2, [REDACTED]	50-51-30N 28-00-20E	UR 0233-7	SA-2, star						
G. Ostrog SAM Defenses (in defense of Ostrog MRBM Complex)										
17	Ostrog MRBM Complex SAM Site, [REDACTED]	50-07-30N 26-53-03E	UR 0233-12	SA-2, configuration undetermined						
18	Ostrog MRBM Complex SAM Site B12-2, [REDACTED]	50-09-55N 27-06-33E	UR 0233-12	SA-2, link						
H. Zhitomir/Berdichev SAM Defenses (in defense of Zhitomir MRBM Complex and Berdichev regional military storage installation)										
19	Zhitomir SAM Site A31-2, [REDACTED]	50-16-30N 28-37-15E	UR 0233-13	SA-2, fan						
20	Zhitomir SAM Site A20-2, [REDACTED]	50-12-40N 28-39-20E	UR 0233-13	SA-2, probable star						
21	Berdichev SAM Site C27-2, [REDACTED]	49-58-00N 27-59-00E	UR 0233-12	SA-2, star						
22	Berdichev SAM Support Facility, [REDACTED]	49-50-17N 28-24-07E	UR 0233-12	Type II (square)						
23	Berdichev SAM Site B23-2, [REDACTED]	49-46-16N 28-23-40E	UR 0233-12	SA-2, star						
I. Zhmerinka SAM Defenses (in defense of Zhmerinka MRBM Complex)										
24	Zhmerinka MRBM Complex SAM Site B28-2, [REDACTED]	49-10-10N 27-49-00E	UR 0233-17	SA-2, star						
25	Zhmerinka SAM Support Facility, [REDACTED]	49-05-45N 28-08-15E	UR 0233-17	Type II (square)						
26	Zhmerinka SAM Site A19-2, [REDACTED]	48-56-00N 28-08-00E	UR 0233-17	SA-2, star						

*The defense of these installations is complemented by some elements of the USSR western border SAM defenses.

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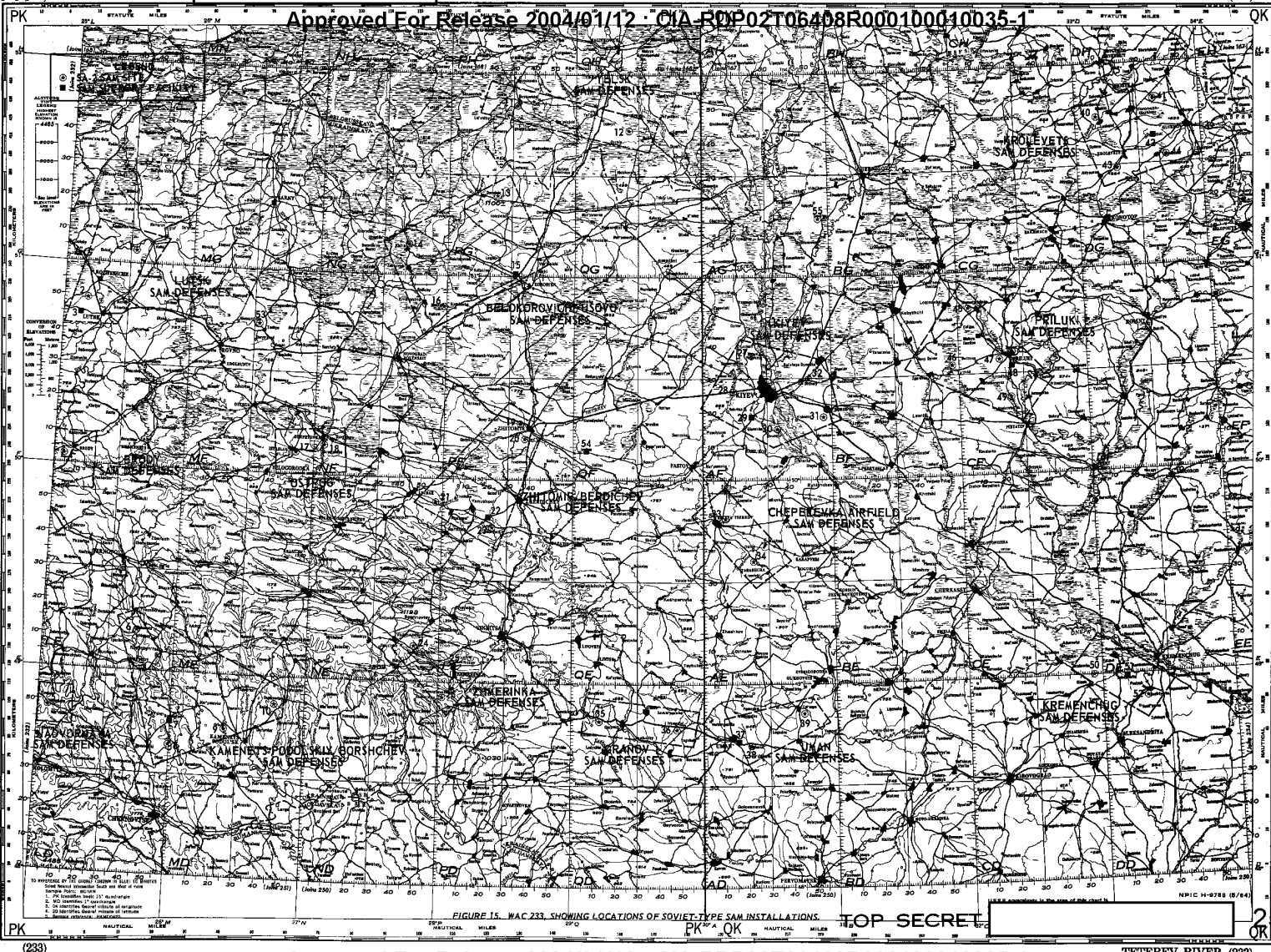


FIGURE 15. WAC 233, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

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TETEREV RIVER (233)
ROMANIA-U.S.S.R.

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Table 13. (Continued)

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
J. Kiev SAM Defenses (in defense of third-largest city in USSR--capital of Ukrainian SSR: major industrial production center for armaments, ammunition, drugs, chemicals, railroad rolling stock, tools, aircraft, rubber products and machinery)							
27	Kiev SAM Site B35-2, [REDACTED]	50-37-15N 30-24-30E	UR 0233-9	SA-2, star			
28	Kiev SAM Site A26-2, [REDACTED]	50-26-00N 30-15-50E	UR 0233-9	SA-2, star			
29	Kiev SAM Support Facility, [REDACTED]	50-19-30N 30-24-30E	UR 0233-8	Type I (rectangular)			
30	Kiev SAM Site B16-2, [REDACTED]	50-15-35N 30-36-15E	UR 0233-9	SA-2, star			
31	Kiev SAM Site B12-2, [REDACTED]	50-18-35N 30-58-15E	UR 0233-9	SA-2, star			
32	Kiev SAM Site B08-2, [REDACTED]	50-30-10N 30-51-25E	UR 0233-9	SA-2, configuration undetermined			
K. Chepelevka Airfield SAM Defenses (in defense of Chepelevka Long Range Air Arm Airfield)							
33	Belaya Tserkov SAM Site A07-2, [REDACTED]	49-49-40N 30-11-30E	UR 0233-13	SA-2, star			
34	Belaya Tserkov SAM Site B14-2, [REDACTED]	49-56-00N 30-24-00E	UR 0233-18	SA-2, star			
L. Granov SAM Defenses (in defense of Granov IRBM Complex)							
35	Granov IRBM Complex SAM Site B25-2, [REDACTED]	48-49-10N 29-49-10E	UR 0233-18	SA-2, star			
36	Granov IRBM Complex SAM Site B12-2, [REDACTED]	48-47-05N 29-49-10E	UR 0233-23	SA-2, star			
M. Uman SAM Defenses (in defense of Uman MRBM Complex)							
37	Uman SAM Support Facility, [REDACTED]	48-43-20N 30-17-20E	UR 0233-23	Type II (square)			
38	Uman MRBM Complex SAM Site B20-2, [REDACTED]	48-42-15N 30-22-25E	UR 0233-23	SA-2, link			
39	Talnoye SAM Site A13-2, [REDACTED]	48-51-35N 30-46-00E	UR 0233-19	SA-2, link			
N. Krolevets SAM Defenses (in defense of Krolevets IRBM Complex)							
40	Krolevets SAM Site B23-2, [REDACTED]	51-44-40N 33-11-30E	UR 0233-5	SA-2, link			
41	Krolevets SAM Site B04-2, [REDACTED]	51-49-00N 33-38-25E	UR 0233-5	SA-2, link			
42	Krolevets SAM Support Facility, [REDACTED]	51-38-50N 33-41-30E	UR 0233-5	Type II (square)			
43	Krolevets SAM Site A21-2, [REDACTED]	51-29-45N 33-20-35E	UR 0233-5	SA-2, link			
44	Krolevets SAM Site B09-2, [REDACTED]	51-33-10N 33-44-40E	UR 0233-5	SA-2, probable link			
O. Priluki SAM Defenses (in defense of Priluki Long Range Air Arm Airfield)							
45	Priluki SAM Site B23-2, [REDACTED]	50-49-00N 32-06-00E	UR 0233-9	SA-2, configuration undetermined			
46	Priluki SAM Site B26-2, [REDACTED]	50-32-00N 31-59-55E	UR 0233-9	SA-2, star			
47	Priluki SAM Site A25-2, [REDACTED]	50-34-55N 32-20-55E	UR 0233-10	SA-2, probable link			
48	Priluki SAM Support Facility, [REDACTED]	50-32-50N 32-25-20E	UR 0233-10	Type II (square)			
49	Priluki SAM Site B18-2, [REDACTED]	50-23-45N 32-25-30E	UR 0233-15	SA-2, star			
P. Kremenchug SAM Defenses (in defense of Kremenchug Dam and Power Plant)							
50	Kremenchug SAM Site B26-2, [REDACTED]	49-00-55N 32-57-45E	UR 0233-21	SA-2, star			
51	Kremenchug SAM Support Facility, [REDACTED]	48-59-35N 33-12-30E	UR 0233-21	Type I (rectangular)			
52	Kremenchug SAM Site B19-2, [REDACTED]	48-53-40N 33-21-50E	UR 0233-20	SA-2, star			
Q. Defense Role Undetermined							
53	Ravno SAM Site B07-2, [REDACTED]	50-44-45N 26-34-45E	UR 0233-6	SA-2, star			
54	Zhitomir SAM Storage Site, [REDACTED]	50-10-00N 29-05-00E	UR 0233-13	Missile assembly and storage facility			
55	Chernigov SAM Site B23-2, [REDACTED]	51-17-00N 30-56-10E	UR 0233-4	SA-2, star			

An unvetted star-configuration ground pattern is adjacent to this site.

This site is located in a military training area and appears to be a training site.

This installation is similar to those found at Moscow and Druzhinino. Rather than supporting any one complex, it probably serves this entire region.

This site is located in a military training area and appears to be a training site.

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WORLD AERONAUTICAL CHART

CIA/PIR-14/6(233)

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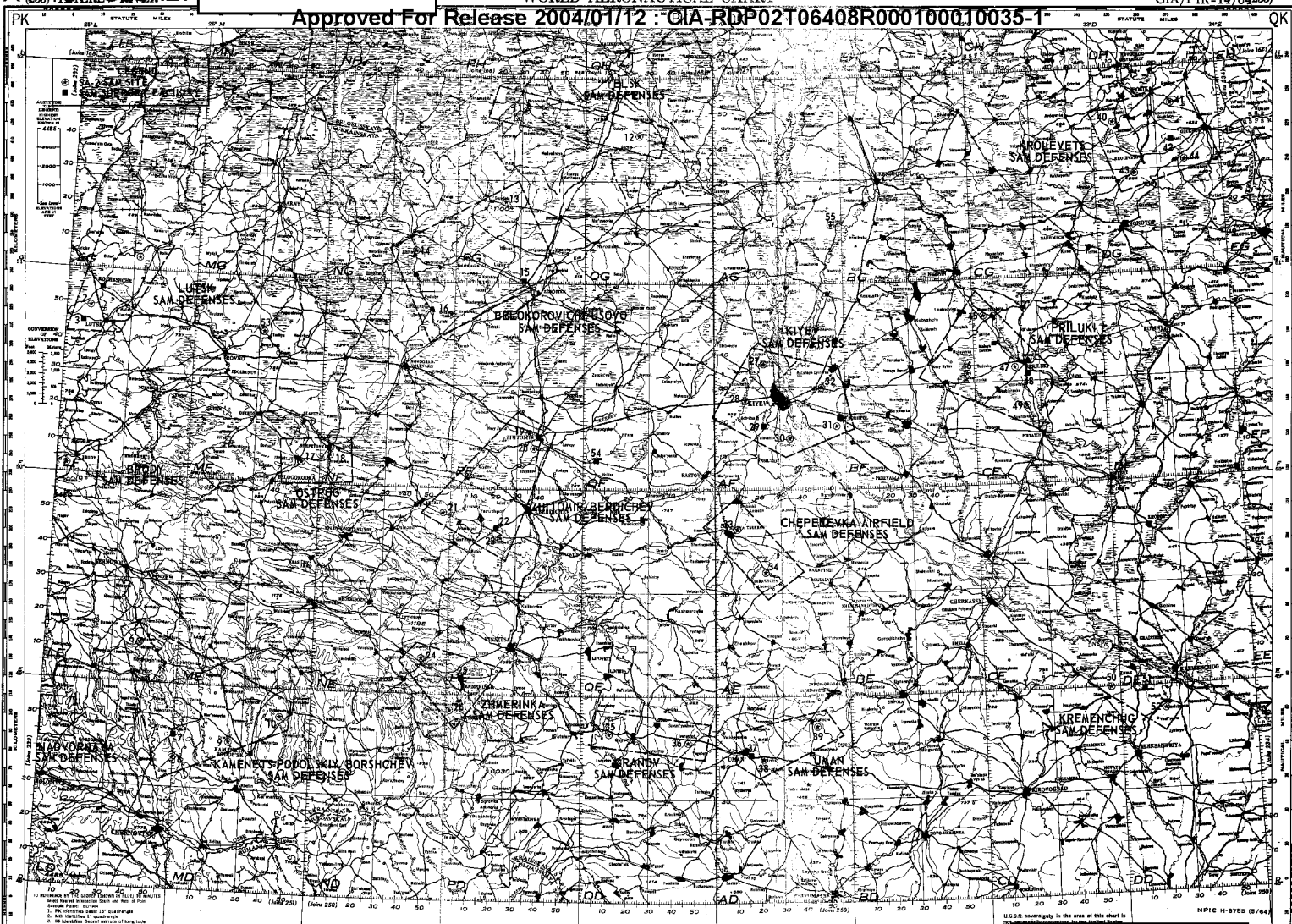


FIGURE 15 (REPEAT), WAC 233, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS

USSSR sovereignty in the area of this chart is not guaranteed by this chart

NPIC 14-5785 (10/64)

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TETEREV RIVER (233)
ROMANIA/U.S.S.R.

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Table 14. SAM Installations on WAC 234

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Poltava SAM Defenses (in defense of Soviet Long Range Air Arm Base; Hq 18th Heavy Bomber Air Division with Type II, modified [redacted] and railroad facilities)							
1	Poltava SAM Site B29-2, [redacted]	49-39-35N 34-08-20E	UR 0234-11	SA-2, star	[redacted]		
2	Poltava SAM Site B21-2, [redacted]	49-24-30N 34-22-40E	UR 0234-16	SA-2, star			
3	Poltava SAM Support Facility, [redacted]	49-29-45N 34-31-30E	UR 0234-16	Type II (square)			
4	Poltava SAM Site A19-2, [redacted]	49-30-00N 34-31-20E	UR 0234-16	SA-2, star			
B. Dneprodzerzhinsk/Dnepropetrovsk SAM Defenses (in defense of strategic industrial area comprising the heavy industry complexes at Dneprodzerzhinsk: iron, coke, railroad car, synthetic ammonia, and coke chemical plants; [redacted] and railroad facilities; Dnepropetrovsk: steel, locomotive, heavy equipment, and coke chemical plants; rolling mills, railroad facilities, power plant, and Dnepropetrovsk Missile Development and Production Center, DMDFC)							
5	Verkhovtsevo SAM Site A01-2, [redacted]	48-32-55N 34-14-45E	UR 0234-12	SA-2, star	[redacted]		
6	Dnepropetrovsk SAM Site C25-2, [redacted]	48-17-36N 34-24-52E	UR 0234-21	SA-2, probable star			
7	Dnepropetrovsk SAM Site B24-2, [redacted]	48-21-30N 34-46-44E	UR 0234-21	SA-2, link			
8	Dnepropetrovsk SAM Support Facility, [redacted]	48-23-40N 34-58-55E	UR 0234-21	Type I (rectangular)			
9	Dnepropetrovsk SAM Site B17-2, [redacted]	48-17-06N 35-06-02E	UR 0234-21	SA-2, link			
10	Dnepropetrovsk SAM Site B11-2, [redacted]	48-29-22N 35-26-44E	UR 0234-21	SA-2, star			
11	Dnepropetrovsk SAM Site B07-2, [redacted]	48-36-20N 35-25-00E	UR 0234-21	SA-2, star			
C. Kursk SAM Defenses (in defense of Kursk: strategic railroad junction and yards, battery plant 111, and synthetic rubber plant)							
12	Kursk SAM Site B38-2, [redacted]	51-56-10N 35-59-40E	UR 0234-2	SA-2, configuration undetermined	[redacted]		
13	Kursk SAM Site B11-2, [redacted]	51-40-25N 36-35-20E	UR 0234-2	SA-2, configuration undetermined			
D. Kharkov SAM Defenses (in defense of Kharkov: one of the USSR's largest cities with heavy and electrical machinery, tank and locomotive, tractor, bearings, tools, coke chemical, and aircraft assembly plants; headquarters of southern railroad system of USSR; Ukrainian Physicotechnical Institute at Kharkov; and major military air facilities)							
14	Kharkov SAM Site A01-2, [redacted]	50-07-42N 36-16-25E	UR 0234-12	SA-2, star	[redacted]		
15	Kharkov SAM Site B28-2, [redacted]	50-00-05N 35-55-00E	UR 0234-12	SA-2, star			
16	Kharkov SAM Site A20-2, [redacted]	49-50-40N 36-10-25E	UR 0234-12	SA-2, star			
17	Kharkov SAM Support Facility, [redacted]	49-56-40N 36-26-50E	UR 0234-12	Type II (square)			
18	Kharkov SAM Site B12-2, [redacted]	49-53-15N 36-31-00E	UR 0234-12	SA-2, star			
*E. Kramatorsk SAM Defenses (in defense of Kramatorsk industrial complex with the metallurgical plant Kuybyshev, and machine and tool plants)							
19	Kramatorsk SAM Site B25-2, [redacted]	48-38-00N 37-18-00E	UR 0234-23	SA-2, link	[redacted]		
20	Kramatorsk SAM Site B17-2, [redacted]	48-26-10N 37-38-10E	UR 0234-23	SA-2, star			
F. Voronezh SAM Defenses (in defense of Voronezh: nuclear power station, aircraft engine and airframe assembly, radio equipment, railroad car, and machinery production)							
21	Voronezh SAM Site B01-2, [redacted]	51-51-30N 39-14-00E	UR 0234-3	SA-2, link	[redacted]		
22	Voronezh SAM Support Facility, [redacted]	51-33-30N 39-08-00E	UR 0234-3	Type II (square)			
23	Voronezh SAM Site B10-2, [redacted]	51-36-40N 39-30-10E	UR 0234-4	SA-2, link			
24	Voronezh SAM Site B17-2, [redacted]	51-26-15N 39-17-30E	UR 0234-3	SA-2, link			
*G. Lugansk SAM Defenses (in defense of Lugansk heavy industrial complex: major locomotive manufacturing plant, machine and munitions plant, extensive railroad facilities, and power plants)							
25	Lugansk SAM Site B24-2, [redacted]	48-28-25N 39-05-00E	UR 0234-23	SA-2, star	[redacted]		
26	Lugansk Possible SAM Support Facility	48-32-15N 39-10-30E	UR 0234-23	Type II (square)			
27	Lugansk SAM Site B14-2, [redacted]	48-24-10N 39-36-00E	UR 0234-24	SA-2, star			

*These SAM defenses also afford some protection for the highly strategic Donets Basin, principal coal-producing basin of southern USSR, including industrial complexes of Donetsk, Yenakiyevo, Makeyevka, Lugansk, and Gorlovka.

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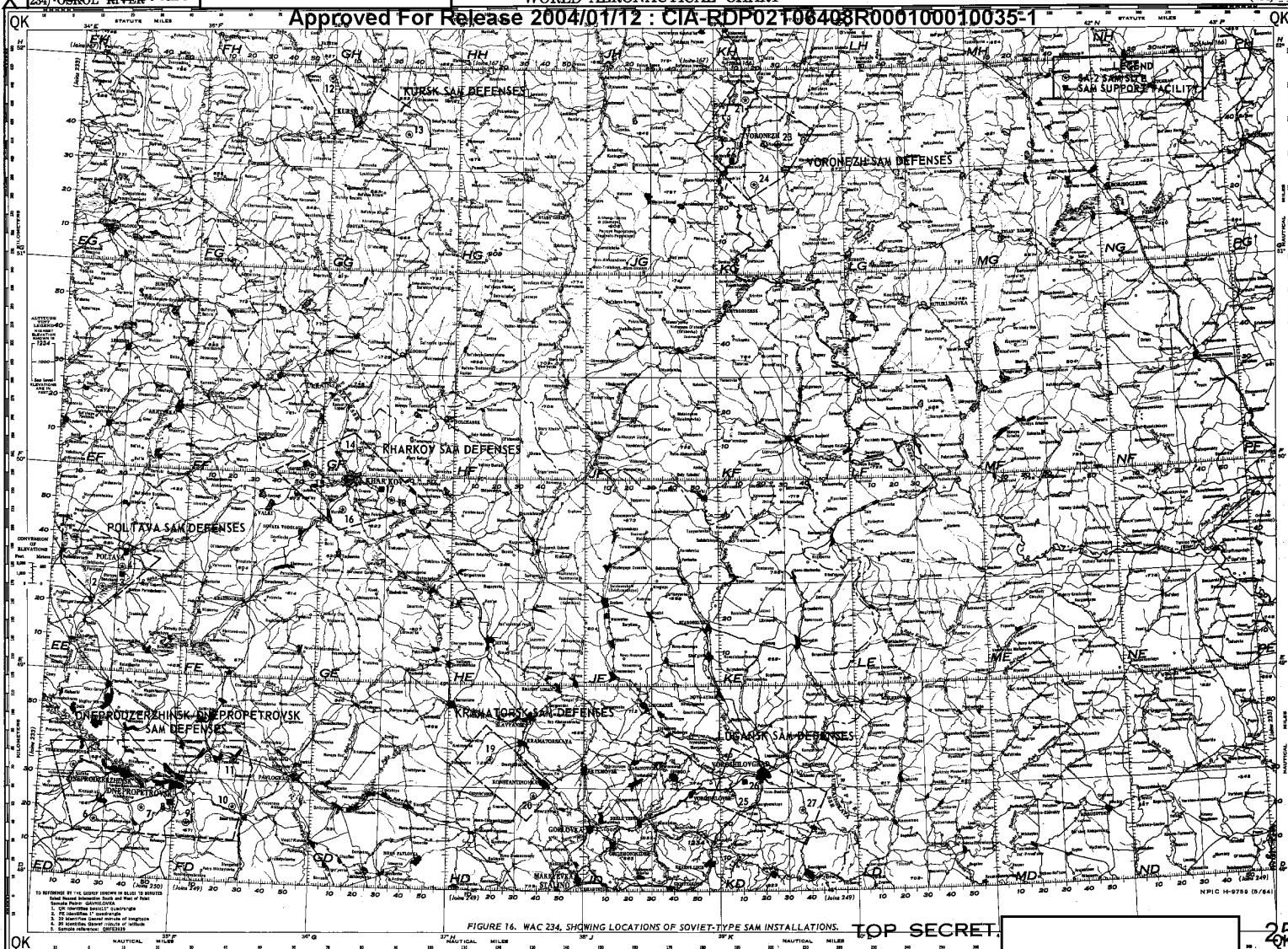
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OSKOL RIVER (234)
U.S.S.R.

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REQUIREMENT

CIA. C-RR3-80,733

PROJECT

C-1580/63 (partial answer)

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